



# SEQUENCE LISTING

<110> Lead B.V.

NOTEBORN, Mathieu Hubertus Maria

DAMEN-VAN OORSCHOT, Astrid Adriana Anna Maria

<120> MOLECULES INTERACTING WITH APOPTIN

<130> 2906-5008

<140> 09/551981

<141> 2000-06-26

C1  
<160> 16

<170> PatentIn version 3.0

<210> 1

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: pACT-specific sequenceing prim  
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<400> 1  
taccactaca atggatg

17

<210> 2

<211> 15

<212> PRT

<213> Artificial Sequence

C1

<220>

<221> misc\_feature

<223> Description of Artificial Sequence; Hou/Nmi-like protein putative  
immunogenic peptid

<400> 2

Arg Asn Gly Gly Gly Glu Val Asp Arg Val Asp Tyr Asp Arg Gln  
1 5 10 15

<210> 3

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<221> misc\_feature

<223> Description of Artificial Sequence: IEP35-like protein putative immunogenic peptid

<400> 3

Cys Gln Leu Arg Lys Glu Leu Gly Asp Ser Pro Lys Asp Lys Val Pro  
1 5 10 15

<210> 4

<211> 658

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<223> N is an undefined base

<400> 4

gggggatcat ggaagctgat aaagatgaca cacaacaaat tcctaaggag cattcgccag 60

atgaatttat aaaagatgaa caaaataagg gactaattga tgaaattaca aagaaaaata 120

ttcaactaaa gaaggagatc caaaagcttg aaacggagtt acaagaggct accaaagaat 180

tccagattaa agaggatatt cctgaaacaa agatgaaatt cttatcagtt gaaactcctg 240

agaatgacag ccagttgtca aatatctcct gttcgttca agtgagctcg aaagttcctt 300

atgagataca aaaaggacaa gcacttatca cctttgaaaa agaagaagtt gctcaaatg 360

tggttaagcat gagtaaacad catgtacaga taaaagatgt aaatctggag gttacggcca 420

agccagttcc attaaattca ggagtcagat tccaggttta tgtagaagtt tctaaaatga 480

aatcaatgt tactgaaatt cctgacacat tgcgtgaaga tcaaatgaga gacaaactag 540  
agctgagctt ttcaaagtcc cgaatggga ggcggagang tggaccgcgt gggactatga 600  
cagacagtc cggagtcag tcacacgtt tggnggagat tgggagtggc tgacannn 658

<210> 5

<211> 719

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<223> N is an undefined base

<400> 5

cggagttaca agaggctacc aaagaattcc agattaaaga ggatattcct gaaacaaaga 60  
tgaaattcct atcagttgaa actcctgana atgacagcca gttgtcaaat atctcctgtt 120  
cgtttcaagg tgagctcgaa agttccttat gagatacaaa aaggacaatg cacttatcac 180  
ctttgaaaaa ggaagaagtt gctcaaatg tngtaangc atgagtaaac atcatgtaca 240  
gataataaga tgtaaatctg gaggttacgg ccaagccaa gttccattaa tattcaagga 300  
gtcangattc cagngtttat gctagaangt ttctaaaaat ganaatcaat ggttactgga 360  
aatcctgga cacattgcgn tgaaagatca agatgacgaa gacaaactaa gaagctgagc 420  
ttttcaaaag tcccgaaana tggaagagcg gtagagggtg gnaccgcgtg nganctatga 480  
caagacaagn ccggggaagn tgcagtccat cacgtttgtn ngaagattgg angtnngctg 540  
accaangaat ttgaaaaag gagangaatt acccctcttt angagtaana tcaaacct 600

gccataanaa gttactgggt ttccccatt acacagnant tacanntga ncaanantan 660

ncaggataat ttncagggga anaatctnaa gnatggcaag ntgacttctg gacaanggt 719

<210> 6

<211> 220

<212> PRT

<213> Homo sapiens

<400> 6

His Glu Gly Arg Gly Ile Met Glu Ala Asp Lys Asp Asp Thr Gln Gln  
1 5 10 15

Ile Leu Lys Glu His Ser Pro Asp Glu Phe Ile Lys Asp Glu Gln Asn  
20 25 30

Lys Gly Leu Ile Asp Glu Ile Thr Lys Lys Asn Ile Gln Leu Lys Lys  
35 40 45

Glu Ile Gln Lys Leu Glu Thr Glu Leu Gln Glu Ala Thr Lys Glu Phe  
50 55 60

Gln Ile Lys Glu Asp Ile Pro Glu Thr Lys Met Lys Phe Leu Ser Val  
65 70 75 80

Glu Thr Pro Glu Asn Asp Ser Gln Leu Ser Asp Ile Ser Cys Ser Phe  
85 90 95

Gln Val Ser Ser Lys Val Pro Thr Glu Ile Gln Lys Gly Gln Ala Leu  
100 105 110

Ile Thr Phe Glu Lys Glu Glu Val Ala Gln Asn Val Val Ser Met Ser  
115 120 125

Lys His His Val Gln Ile Lys Asp Val Asn Leu Glu Val Thr Ala Lys  
130 135 140

Pro Val Pro Leu Asn Ser Gly Val Arg Phe Gln Val Thr Val Glu Val  
145 150 155 160

Ser Lys Met Lys Ile Asn Val Thr Glu Ile Pro Asp Thr Leu Arg Glu  
165 170 175

Asp Gln Met Arg Arg Lys Leu Glu Leu Ser Phe Ser Lys Ser Arg Asn  
180 185 190

Gly Arg Arg Arg Cys Gly Pro Arg Gly Thr Met Thr Asp Ser Pro Gly  
195 200 205

Val Gln Ser Ser Arg Leu Val Glu Ile Gly Ser Gly  
210 215 220

<210> 7

<211> 307

<212> PRT

<213> Homo sapiens

<400> 7

Met Glu Ala Asp Lys Asp Asp Thr Gln Gln Ile Leu Lys Glu His Ser  
1 5 10 15

Pro Asp Glu Phe Ile Lys Asp Glu Gln Asn Lys Gly Leu Ile Asp Glu  
20 25 30

Ile Thr Lys Lys Asn Ile Gln Leu Lys Lys Glu Ile Gln Lys Leu Glu  
35 40 45

Thr Glu Leu Gln Glu Ala Thr Lys Glu Phe Gln Ile Lys Glu Asp Ile  
50 55 60

Pro Glu Thr Lys Met Lys Phe Leu Ser Val Glu Thr Pro Glu Asn Asp  
65 70 75 80

Ser Gln Leu Ser Asn Ile Ser Cys Ser Phe Gln Val Ser Ser Lys Val  
85 90 95

Pro Tyr Glu Ile Gln Lys Gly Gln Ala Leu Ile Thr Phe Glu Lys Glu  
100 105 110

Glu Val Ala Gln Asn Val Val Ser Met Ser Lys His His Val Gln Ile

115            120            125  
 Lys Asp Val Asn Leu Glu Val Thr Ala Lys Pro Val Pro Leu Asn Ser  
 130            135            140  
 Gly Val Arg Phe Gln Val Thr Val Glu Val Ser Lys Met Lys Ile Asn  
 145            150            155            160  
 Val Thr Glu Ile Pro Asp Thr Leu Lys Glu Asp Gln Met Arg Asp Lys  
 165            170            175  
 Leu Glu Leu Ser Phe Ser Lys Phe Arg Asn Gly Gly Gly Glu Val Asp  
 180            185            190  
 Arg Val Asp Tyr Asp Arg Gln Ser Gly Ser Ala Val Ile Thr Phe Val  
 195            200            205  
 Glu Ile Gly Val Ala Asp Lys Ile Leu Lys Lys Lys Glu Tyr Pro Leu  
 210            215            220  
 Tyr Ile Asn Gln Thr Cys His Arg Val Thr Val Ser Pro Tyr Thr Glu  
 225            230            235            240  
 Ile His Leu Lys Lys Tyr Gln Ile Phe Ser Gly Thr Ser Lys Arg Thr  
 245            250            255  
 Val Leu Leu Thr Gly Met Glu Gly Ile Gln Met Asp Glu Glu Ile Val  
 260            265            270  
 Glu Asp Leu Ile Asn Ile His Phe Gln Arg Ala Lys Asn Gly Gly Gly  
 275            280            285  
 Glu Val Asp Val Val Lys Cys Ser Leu Gly Gln Pro His Ile Ala Tyr  
 290            295            300  
 Phe Glu Glu  
 305

<210> 8

<211> 659

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> N is an undefined base

<400> 8

agcaggtgct gcaacaaaag gagcacacga tcaacatgga ggagtgccgg ctgcgggtgc 60

agggtccagcc cttggagctg cccatggtca ccaccatcca ggtgtccagc cagttgagtg 120

gccggagggt gttggtcact ggatttcctg ccagcctcag gctgagtgag gaggagctgc 180

tggacaanct anagatcttc ttggcaaga ctaggaacgg aggtggcnat gtggacnttc 240

ggganctact gccagggant gtcattgctgg ggtttgctag ggatggagtg gctcancgtc 300

tgtgccaaat cggccatttc acagtccac tgggtgggca gcangtcct ctgagagtct 360

ctccgtatgt gaatggggan atccagangg ctganatcag gtcncagcca nttccccgct 420

cgttactggt gctcaacatt cctgatatct tggatggccc ggagctgcat gacgtcctgg 480

anatccactt ccagaanccc acccgcgggg gcggagatgt aagacgcct gacagtcgta 540

ccccaaggac aacagggcct aacagtcttc acctctgaa tcaaggctan gggcctcccc 600

cttctcatcc tccccacccc ccccgccaaa ggttctcaan actgggcctg ggctttntg 659

<210> 9

<211> 630

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature



<223> N is an undefined base

<400> 9

ccaaagtggc tgagcaggtg ctgcaacaaa aggagcacac gatcaacatg gaggagtgcc 60  
ggctgcgggt gcagggtccag cccttggagc tgcccatggt caccaccatc caggtgtcca 120  
gccagttgag tggccggagg gtgttggta ctggatttcc tgccagcctc aggctgagtg 180  
aggaggagct gctggacaag ctagagatct tctttggcaa gactaggaac ggaggtggcg 240  
atgtggacgt tcgggagcta ctgccaggga gtgtcatgct ggggtttgct agggatggag 300  
tggtcagcg tctgtgcaa atcgccaag ttcacagtgc cactgggtgg gcancaagtc 360  
cctctgagag tctctccgta tgtgaatggg gagatccaga aggctgagat caggtcgcan 420  
ccagttcccc nctcggtact ggggtctcaa cattcctgat atcttgatt ggcccggagc 480  
tgcatacgt cctgganac aactcanaa gcccaccgc cggggcngng aggtanaagg 540  
cctgacatcn ttacccaaa ggacagcatg gncctaacag tcctcacctc cnaatcangc 600  
tnnggggetn cccttctanc ntccaactg 630

<210> 10

<211> 631

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> N is an undefined base

<400> 10

ggatccactg ccctctgctt gcgggctctg ctctgatcac ctttgatgac cccaaagtgg 60  
ctgagcaggt gctgcaacaa aaggagcaca cgatcaacat ggaggagtgc cggctgcggg 120  
tgcaggtcca gcccttggag ctgccatgg tcaccacat ccaggtgatg gtgtccagcc 180  
antttagtgg ccggagggtg ttggctactg gatttcctgc cagcctcagg ctgantgagg 240  
aggagctgct ggacaagcta tgagatcttc ttggcaana ctangaacgg angtggcgat 300  
gtggacgttc gggagctact gccagggagt gtcatgctgg ggtttgctac ggatggagtg 360  
gctcagcgtc tgtgccaaat cggccagttc acaagtgcc ctgggtgggc agcaagtccc 420  
tctgagagtc tctccgtatg tgantggnga gatcagaatg ctganattaa gtcgcatcca 480  
attcctcgct cnggtactgg tgetcannat cctganatct tggattggcc ccngantnca 540  
tganatctgg nagattcaat tncanaagtc canccnnng ngncgggaag tanangcccg 600  
ananttctn nctanggn agcanngcct g 631

<210> 11

<211> 138

<212> PRT

<213> Homo sapiens

<400> 11

His Glu Gly Pro Lys Val Ala Glu Gln Val Leu Gln Gln Lys Glu His  
1 5 10 15  
Thr Ile Asn Met Glu Glu Cys Arg Leu Arg Val Gln Val Gln Pro Leu  
20 25 30  
Glu Leu Pro Met Val Thr Thr Ile Gln Val Ser Ser Gln Leu Ser Gly  
35 40 45  
Arg Arg Val Leu Val Thr Gly Phe Pro Ala Ser Leu Arg Leu Ser Glu

50                      55                      60  
 Glu Glu Leu Leu Asp Lys Leu Glu Ile Phe Phe Gly Lys Thr Arg Asn  
 65                      70                      75                      80  
 Gly Gly Gly Asp Val Asp Val Arg Glu Leu Leu Pro Gly Ser Val Met  
                     85                      90                      95  
 Leu Gly Phe Ala Arg Asp Gly Val Ala Gln Arg Leu Cys Gln Ile Gly  
                     100                      105                      110  
 Gln Val His Ser Ala Thr Gly Trp Ala Ser Ser Pro Ser Glu Ser Leu  
                     115                      120                      125  
 Ser Val Cys Glu Trp Gly Asp Pro Glu Gly  
                     130                      135

<210> 12

<211> 282

<212> PRT

<213> Homo sapiens

<400> 12

Met Ser Ala Pro Leu Asp Ala Ala Leu His Ala Leu Gln Glu Glu Gln  
 1                      5                      10                      15  
 Ala Arg Leu Lys Met Arg Leu Trp Asp Leu Gln Gln Leu Arg Lys Glu  
                     20                      25                      30  
 Leu Gly Asp Ser Pro Lys Asp Lys Val Pro Phe Ser Val Pro Lys Ile  
                     35                      40                      45  
 Pro Leu Val Phe Arg Gly His Thr Gln Gln Asp Pro Glu Val Pro Lys  
                     50                      55                      60  
 Ser Leu Val Ser Asn Leu Arg Ile His Cys Pro Leu Leu Ala Gly Ser  
 65                      70                      75                      80  
 Ala Leu Ile Thr Phe Asp Asp Pro Lys Val Ala Glu Gln Val Leu Gln  
                     85                      90                      95

Gln Lys Glu His Thr Ile Asn Met Glu Glu Cys Arg Leu Arg Val Gln  
100 105 110

Val Gln Pro Leu Glu Leu Pro Met Val Thr Thr Ile Gln Val Ser Ser  
115 120 125

Gln Leu Ser Gly Arg Arg Val Leu Val Thr Gly Phe Pro Ala Ser Leu  
130 135 140

Arg Leu Ser Glu Glu Glu Leu Leu Asp Lys Leu Glu Ile Phe Phe Gly  
145 150 155 160

Lys Thr Arg Asn Gly Gly Gly Asp Val Asp Val Arg Glu Leu Leu Pro  
165 170 175

Gly Ser Val Met Leu Gly Phe Ala Arg Asp Gly Val Ala Gln Arg Leu  
180 185 190

Cys Gln Ile Gly Gln Phe Thr Val Pro Leu Gly Gly Gln Gln Val Pro  
195 200 205

Leu Arg Val Ser Pro Tyr Val Asn Gly Glu Ile Gln Lys Ala Glu Ile  
210 215 220

Arg Ser Gln Pro Val Pro Arg Ser Val Leu Val Leu Asn Ile Pro Asp  
225 230 235 240

Ile Leu Asp Gly Pro Glu Leu His Asp Val Leu Glu Ile His Phe Gln  
245 250 255

Lys Pro Thr Arg Gly Gly Gly Gly Arg Gly Pro Asp Ser Arg Thr Pro  
260 265 270

Arg Thr Ala Gly Pro Ser Ser Leu His Leu  
275 280

<210> 13

<211> 207

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Xaa is an undeifined amino acid

<400> 13

His Glu Gly Arg Ile His Cys Pro Leu Leu Ala Gly Ser Ala Leu Ile  
1 5 10 15

Thr Phe Asp Asp Pro Lys Val Ala Glu Gln Val Leu Gln Gln Lys Glu  
20 25 30

His Thr Ile Asn Met Glu Glu Cys Arg Leu Arg Val Gln Val Gln Pro  
35 40 45

Leu Glu Leu Pro Met Val Thr Thr Ile Gln Val Met Val Ser Ser Xaa  
50 55 60

Leu Ser Gly Arg Arg Val Leu Val Thr Gly Phe Pro Ala Ser Leu Arg  
65 70 75 80

Leu Xaa Glu Glu Glu Leu Leu Asp Lys Leu Asp Leu Leu Trp Gln Xaa  
85 90 95

Xaa Glu Arg Xaa Trp Arg Cys Gly Arg Ser Gly Ala Thr Ala Arg Glu  
100 105 110

Cys His Ala Gly Val Cys Tyr Gly Trp Ser Gly Ser Ala Ser Val Pro  
115 120 125

Asn Arg Pro Val His Lys Cys His Trp Val Gly Ser Lys Ser Leu Glu  
130 135 140

Ser Leu Arg Met Xaa Xaa Arg Ser Glu Cys Xaa Val Ala Ser Asn Ser  
145 150 155 160

Ser Leu Xaa Tyr Trp Cys Ser Xaa Ser Xaa Leu Gly Leu Ala Pro Xaa  
165 170 175

Xaa Met Xaa Ser Gly Arg Phe Asn Xaa Xaa Ser Pro Xaa Xaa Xaa Xaa  
180 185 190

Gly Lys Xaa Xaa Pro Xaa Xaa Ser Xaa Xaa Xaa Xaa Ser Xaa Ala  
195 200 205

<210> 14

<211> 647

<212> PRT

<213> Homo sapiens

<400> 14

Arg Leu Arg Asn Gly His Val Gly Ile Ser Phe Val Pro Lys Glu Thr  
1 5 10 15

Gly Glu His Leu Val His Val Lys Lys Asn Gly Gln His Val Ala Ser  
20 25 30

Ser Pro Ile Pro Val Val Ile Ser Gln Ser Glu Ile Gly Asp Ala Ser  
35 40 45

Arg Val Arg Val Ser Gly Gln Gly Leu His Glu Gly His Thr Phe Glu  
50 55 60

Pro Ala Glu Phe Ile Ile Asp Thr Arg Asp Ala Gly Tyr Gly Gly Leu  
65 70 75 80

Ser Leu Ser Ile Glu Gly Pro Ser Lys Val Asp Ile Asn Thr Glu Asp  
85 90 95

Leu Glu Asp Gly Thr Cys Arg Val Thr Tyr Cys Pro Thr Glu Pro Gly  
100 105 110

Asn Tyr Ile Ile Asn Ile Lys Phe Ala Asp Gln His Val Pro Gly Ser  
115 120 125

Pro Phe Ser Val Lys Val Thr Gly Glu Gly Arg Val Lys Glu Ser Ile  
130 135 140

Thr Arg Arg Arg Arg Ala Pro Ser Val Ala Asn Val Gly Ser His Cys  
145 150 155 160

Asp Leu Ser Leu Lys Ile Pro Glu Ile Ser Ile Gln Asp Met Thr Ala

165                      170                      175  
 Gln Val Thr Ser Pro Ser Gly Lys Thr His Glu Ala Glu Ile Val Glu  
     180                      185                      190  
 Gly Glu Asn His Thr Tyr Cys Ile Arg Phe Val Pro Ala Glu Met Gly  
     195                      200                      205  
 Thr His Thr Val Ser Val Lys Tyr Lys Gly Gln His Val Pro Gly Ser  
     210                      215                      220  
 Pro Phe Gln Phe Thr Val Gly Pro Leu Gly Glu Gly Gly Ala His Lys  
     225                      230                      235                      240  
 Val Arg Ala Gly Gly Pro Gly Leu Glu Arg Ala Glu Ala Gly Val Pro  
     245                      250                      255  
 Ala Glu Phe Ser Ile Trp Thr Arg Glu Ala Gly Ala Gly Gly Leu Ala  
     260                      265                      270  
 Ile Ala Val Glu Gly Pro Ser Lys Ala Glu Ile Ser Phe Glu Asp Arg  
     275                      280                      285  
 Lys Asp Gly Ser Cys Gly Val Ala Tyr Val Val Gln Glu Pro Gly Asp  
     290                      295                      300  
 Tyr Glu Val Ser Val Lys Phe Asn Glu Glu His Ile Pro Asp Ser Pro  
     305                      310                      315                      320  
 Phe Val Val Pro Val Ala Ser Pro Ser Gly Asp Ala Arg Arg Leu Thr  
     325                      330                      335  
 Val Ser Ser Leu Gln Glu Ser Gly Leu Lys Val Asn Gln Pro Ala Ser  
     340                      345                      350  
 Phe Ala Val Ser Leu Asn Gly Ala Lys Gly Ala Ile Asp Ala Lys Val  
     355                      360                      365  
 His Ser Pro Ser Gly Ala Leu Glu Glu Cys Tyr Val Thr Glu Ile Asp  
     370                      375                      380  
 Gln Asp Lys Tyr Ala Val Arg Phe Ile Pro Arg Glu Asn Gly Val Tyr  
     385                      390                      395                      400  
 Leu Ile Asp Val Lys Phe Asn Gly Thr His Ile Pro Gly Ser Pro Phe  
     405                      410                      415

Lys Ile Arg Val Gly Glu Pro Gly His Gly Gly Asp Pro Gly Leu Val  
420 425 430

Ser Ala Tyr Gly Ala Gly Leu Glu Gly Gly Val Thr Gly Asn Pro Ala  
435 440 445

Glu Phe Val Val Asn Thr Ser Asn Ala Gly Ala Gly Ala Leu Ser Val  
450 455 460

Thr Ile Asp Gly Pro Ser Lys Val Lys Met Asp Cys Gln Glu Cys Pro  
465 470 475 480

Glu Gly Tyr Arg Val Thr Tyr Thr Pro Met Ala Pro Gly Ser Tyr Leu  
485 490 495

Ile Ser Ile Lys Tyr Gly Gly Pro Tyr His Ile Gly Gly Ser Pro Phe  
500 505 510

Lys Ala Lys Val Thr Gly Pro Arg Leu Val Ser Asn His Ser Leu His  
515 520 525

Glu Thr Ser Ser Val Phe Val Asp Ser Leu Thr Lys Ala Thr Cys Ala  
530 535 540

Pro Gln His Gly Ala Pro Gly Pro Gly Pro Ala Asp Ala Ser Lys Val  
545 550 555 560

Val Ala Lys Gly Leu Gly Leu Ser Lys Ala Tyr Val Gly Gln Lys Ser  
565 570 575

Ser Phe Thr Val Asp Cys Ser Lys Ala Gly Asn Asn Met Leu Leu Val  
580 585 590

Gly Val His Gly Pro Arg Thr Pro Cys Glu Glu Ile Leu Val Lys His  
595 600 605

Val Gly Ser Arg Leu Tyr Ser Val Ser Tyr Leu Leu Lys Asp Lys Gly  
610 615 620

Glu Tyr Thr Leu Val Val Lys Trp Gly His Glu His Ile Pro Gly Ser  
625 630 635 640

Pro Tyr Arg Val Val Val Pro  
645

<210> 15



<211> 213

<212> PRT

<213> Homo sapiens

<400> 15

His Glu Gly Arg Gly Val Thr Gly Asn Pro Ala Glu Phe Val Val Asn  
1 5 10 15

Thr Ser Asn Ala Gly Ala Gly Ala Leu Ser Val Thr Ile Asp Gly Pro  
20 25 30

Ser Lys Val Lys Met Asp Cys Gln Glu Cys Pro Glu Gly Tyr Arg Val  
35 40 45

Thr Tyr Thr Pro Met Ala Pro Gly Ser Tyr Leu Ile Ser Ile Lys Tyr  
50 55 60

Gly Gly Pro Tyr His Ile Gly Gly Ser Pro Phe Lys Ala Lys Val Thr  
65 70 75 80

Gly Pro Arg Leu Val Ser Asn His Ser Leu His Glu Thr Ser Ser Val  
85 90 95

Phe Val Asp Ser Leu Thr Lys Ala Thr Cys Ala Pro His His Gly Ala  
100 105 110

Pro Gly Pro Gly Pro Ala Asp Ala Ser Lys Val Val Ala Lys Gly Leu  
115 120 125

Gly Leu Ser Lys Ala Tyr Val Cys His Lys Ser Ser Phe Thr Val Asp  
130 135 140

Cys Ser Lys Ala Cys Ile Ile Met Leu Leu Val Gly Val His Gly Pro  
145 150 155 160

Trp Thr Pro Cys Asp Glu Ile Leu Val Lys Ala Arg Gly Gln Pro Ala  
165 170 175

Leu Gln Arg Val Leu Thr Cys Phe Lys Asp Lys Gly Glu Val His Thr  
180 185 190

Gly Gly Gln Asn Gly Gly Asp Tyr Gln Ile Pro Cys Lys Pro Leu Pro  
195 200 205

Leu Cys Gly Cys Pro  
210

<210> 16

<211> 213

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Xaa is an undefined amino acid

<400> 16

His Glu Gly Arg Pro Thr Glu Pro Gly Asn Tyr Ile Ile Asn Ile Lys  
1 5 10 15

Phe Ala Asp Gln His Val Pro Gly Ser Pro Phe Ser Val Lys Val Thr  
20 25 30

Gly Glu Gly Arg Val Lys Glu Ser Ile Thr Arg Arg Arg Ala Pro  
35 40 45

Ser Val Ala Asn Val Gly Ser His Cys Asp Leu Ser Leu Lys Ile Pro  
50 55 60

Glu Ile Ser Ile Gln Asp Met Thr Ala Gln Val Thr Ser Pro Ser Gly  
65 70 75 80

Lys Thr His Glu Ala Glu Ile Val Glu Gly Glu Asn His Thr Tyr Cys  
85 90 95

Ile Arg Phe Val Pro Ala Glu Met Gly Thr His Thr Val Ser Val Lys  
100 105 110

C1

Tyr Lys Gly Gln His Val Pro Gly Ser Pro Phe Gln Phe Thr Val Gly  
115 120 125

Pro Leu Gly Glu Gly Gly Ala His Xaa Val Arg Ala Gly Gly Pro Gly  
130 135 140

Leu Xaa Lys Ser Ser Trp Ser Ala Ser Arg Ile Gln Tyr Leu Gly Pro  
145 150 155 160

Gly Lys Leu Val Leu Glu Ala Trp Pro Leu Leu Ser Xaa Ala Pro Ala  
165 170 175

Xaa Leu Xaa Ser Leu Leu Arg Thr Ala Arg Thr Ala Pro Val Val Leu  
180 185 190

Leu Met Leu Val Xaa Glu Pro Ser Asp Xaa Asn Pro Xaa Gln Val Ser  
195 200 205

Thr Lys Glu His Xaa  
210

C1